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Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Original) Protein which is a cell surface protein having an ability of mediating the transport of amino acid into cell and having an ability of mediating the incorporation of at least one amino acid selected from a group consisting of leucine (Leu), isoleucine (Ile), phenylalanine (Phe), methionine (Met), tyrosine (Tyr), tryptophan (Trp), valine (Val) and histidine (His) into the cell in an Na⁺-independent manner.
2. (Original) The protein according to claim 1, wherein, when it coexists with a 4F2hc protein classified under a type II membrane glycoprotein or a part thereof, it has an ability of transportation of neutral amino acid and substances similar thereto.
3. (Currently Amended) The protein according to claim 2, wherein the 4F2hc protein classified under a type II membrane glycoprotein is a protein having an amino acid sequence mentioned in SEQ ID NO:6 or SEQ ID NO:8 or an amino acid sequence where a part of amino acids thereof is deleted, substituted or added.
4. (Original) The protein according to any of claims 1 to 3, wherein it is a protein derived from human being or rat.
5. (Currently Amended) The protein according to any of ~~claims 1 to 4~~claims 1 to 3, wherein it has an amino acid sequence of any of the following (1) and (2).
 - (1): (1): an amino acid sequence mentioned in SEQ ID NO: 2 or NO:4

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(2): (2): an amino acid sequence mentioned in SEQ ID NO:2 or SEQ ID NO:4 where one or more amino acid(s) is/are deleted, substituted or added.

6. (Currently Amended) A polypeptide containing a partial amino acid sequence in the amino acid sequence mentioned in SEQ ID NO:2 or SEQ ID NO:4 and having an antigenicity.

7-43. (Cancelled).

44. (Currently Amended) A method for detecting the action as a substrate of a test substance to the ability for transporting the neutral amino acids of the protein using the protein mentioned in any of ~~claims 1 to 5~~claims 1 to 3.

45. (Currently Amended) The method according to claim 44, wherein the cell transformed by the DNA coding for any of the protein which is a cell surface protein having an ability of mediating the transport of amino acid into cell and having an ability of mediating the incorporation of at least one amino acid selected from a group consisting of leucine (Leu), isoleucine (Ile), phenylalanine (Phe), methionine (Met), tyrosine (Tyr), tryptophan (Trp), valine (Val) and histidine (His) into the cell in an Na⁺-independent manner mentioned in any of claims 7 to 11 is used.

46. (Original) The method according to claim 44, wherein an oocyte of *Xenopus laevis* is used.

47. (Currently Amended) The method according to ~~any of claims 44 to 46~~claim 44, wherein the test substance is a substance other than an amino acid.

48-51. (Cancelled).

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52. (Currently Amended) A substance which is detected, screened or identified by a method mentioned in ~~any of claims 44 to 51~~ claim 44.

53. (Original) The substance according to claim 52, wherein the substance is a substance having an ability of inhibiting the growth of tumor cell.

54-55. (Cancelled).

56. (New) The method according to claim 44, wherein the cell transformed by the DNA coding for any of the protein which is a cell surface protein having an ability of mediating the transport of amino acid into cell and having an ability of mediating the incorporation of at least one amino acid selected from a group consisting of leucine (Leu), isoleucine (Ile), phenylalanine (Phe), methionine (Met), tyrosine (Tyr), tryptophan (Trp), valine (Val) and histidine (His) into the cell in an Na⁺-independent manner, wherein the DNA is derived from human being or rat.

57. (New) The method according to claim 44, wherein the cell transformed by the DNA for a cell surface protein which hybridizes under a stringent condition to the DNA having a base sequence of from 66th to 1586th bases mentioned in SEQ ID NO:1 or having a base sequence of from 64th to 1599th bases mentioned in SEQ ID NO:3 and has an ability of mediating the incorporation of at least one kind of amino acid into cell.

58. (New) The method according to claim 57, wherein the DNA codes for a cell surface protein where incorporation of amino acid into the cell is mediated by the coexistence of a 4F2hc protein classified under the type II membrane glycoprotein or a part thereof.

59. (New) The method according to claim 58, wherein the 4F2hc protein classified under the type II membrane glycoprotein has an amino acid sequence mentioned in SEQ ID NO:6 or SEQ ID NO:8 or an amino acid sequence where a part of amino acids is deleted, substituted or added.